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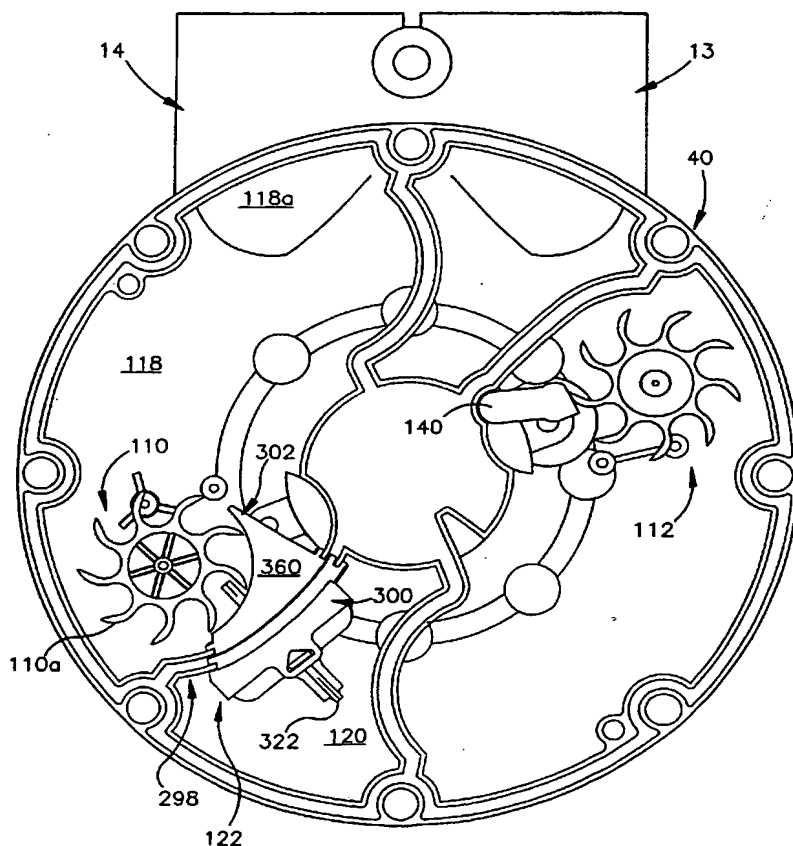
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(54) Title: FLUID TREATMENT SYSTEM



(57) Abstract: A control valve for a water treatment system which includes a turbine (110) rotatably mounted within a water receiving chamber. A nozzle assembly (122) defines first and second fluid paths, one of the flow paths may include a fluid pressure response valve element (320) for controlling fluid flow along the one path. The system also comprises a nozzle assembly (122') defining a throat (302') extending from an inlet and terminating in a arcuate outlet conforming to the periphery of the turbine. A plurality of spaced apart and angled vanes (404) are disposed in the throat.